

## High-Voltage System

From December 2011

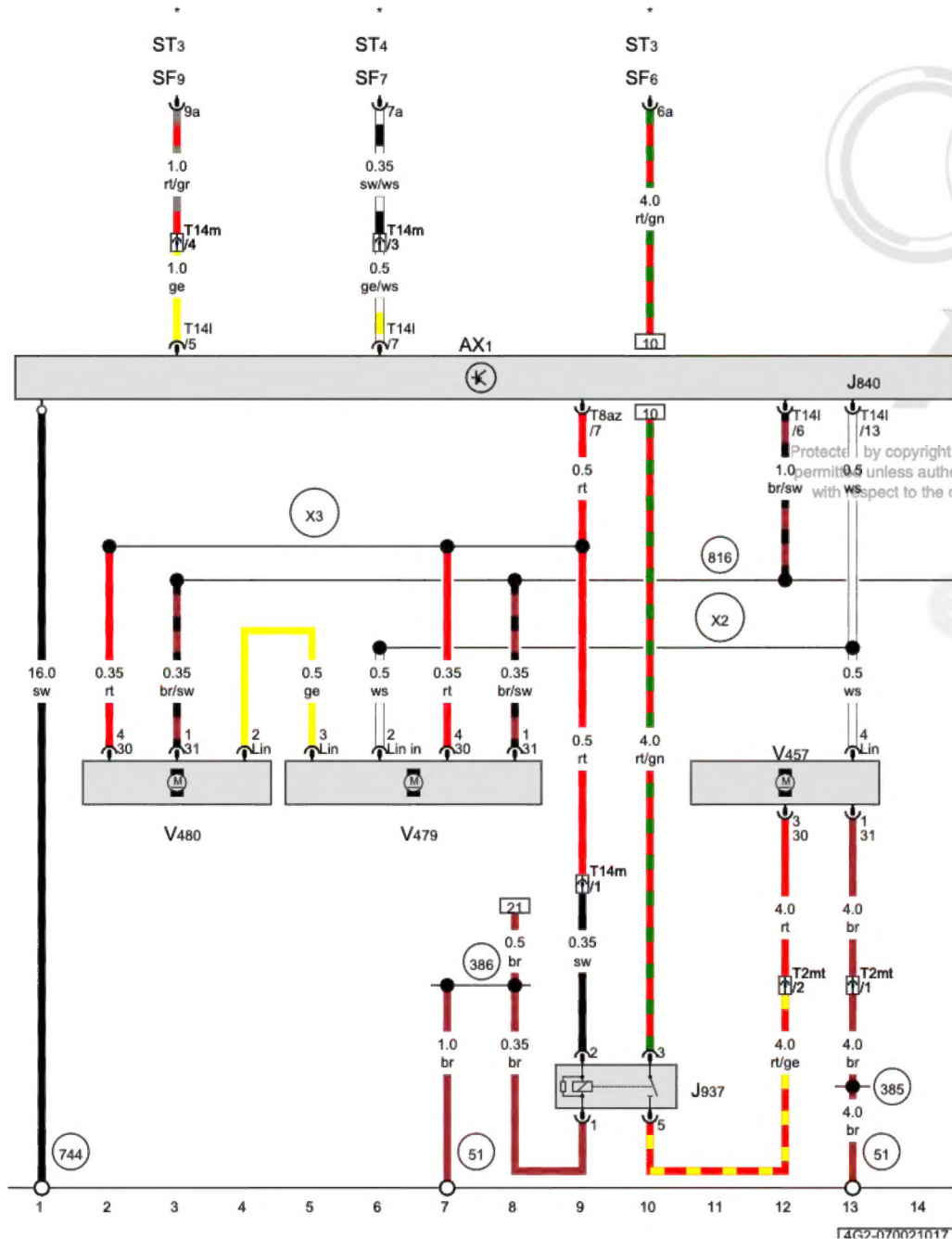


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**erWin**

# Hybrid Battery Unit, Hybrid Battery Recirculation Door Positioning Motor 1



- AX1 Hybrid Battery Unit
- J840 Battery Regulation Control Module
- J937 Fan Activation Relay, On the Relay and Fuse Panel in the Luggage Compartment, Right
- ST3 Fuse Panel 3
- ST4 Fuse Panel 4
- SF6 Fuse 6 (On Fuse Panel F)
- SF7 Fuse 7 (On Fuse Panel F)
- SF9 Fuse 9 (On Fuse Panel F)
- T2mt 2-Pin Connector, In the Luggage Compartment, Spare Wheel Well
- T8az 8-Pin Connector
- T14l 14-Pin Connector
- T14m 14-Pin Connector, In the Luggage Compartment, Spare Wheel Well
- V457 Battery Fan 1
- V479 Hybrid Battery Recirculation Door Positioning Motor 1
- V480 Hybrid Battery Recirculation Door Positioning Motor 2

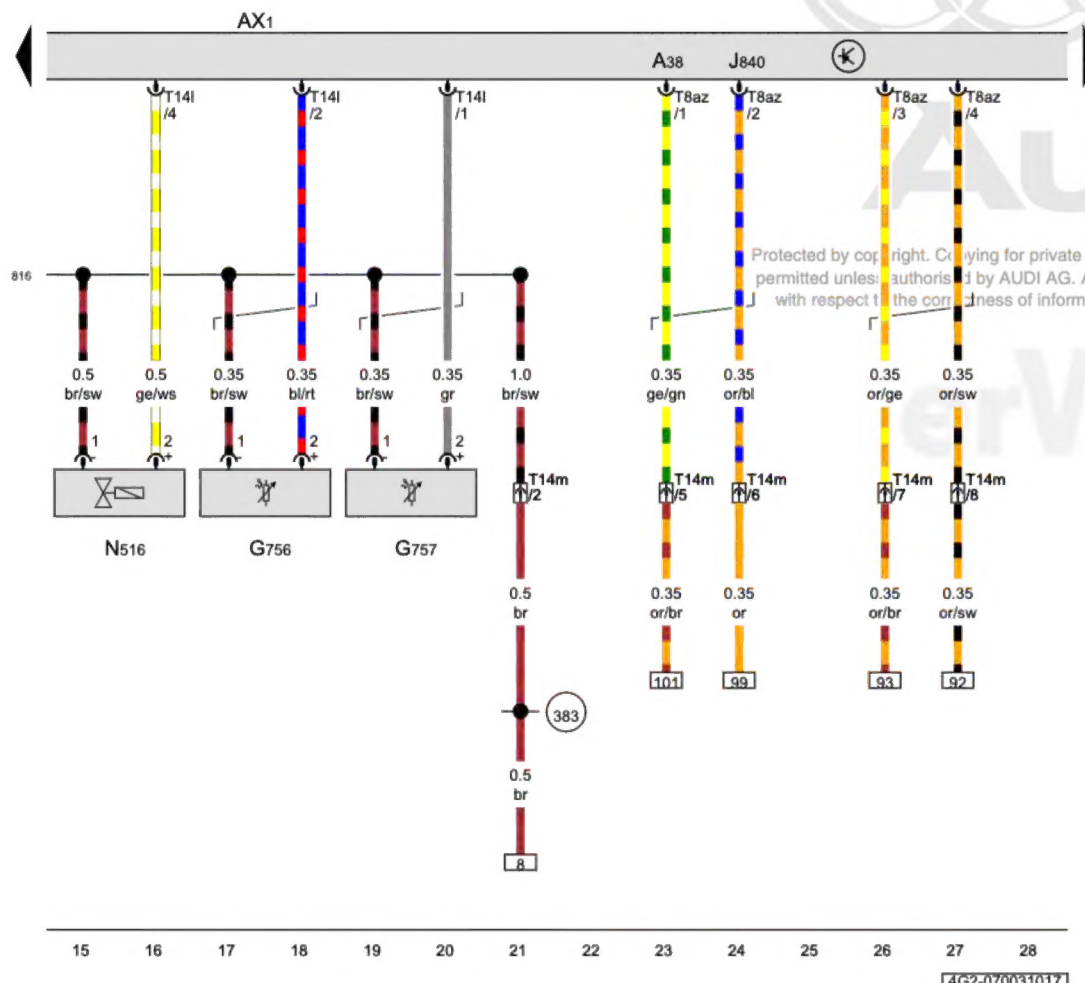
- 51 Ground Connection in Luggage Compartment, Right
- 385 Ground Connection 20 (in Main Wiring Harness)
- 386 Ground Connection 21 (in Main Wiring Harness)
- 744 Ground Connection in Spare Tire Well
- 816 Ground Connection 1 in Hybrid System Wiring Harness
- X2 LIN Bus Connection 1 (in Hybrid System Wiring Harness)
- X3 Connection 1 in Hybrid System Wiring Harness

\* Refer to Applicable Wiring Diagram for Fuse Positions

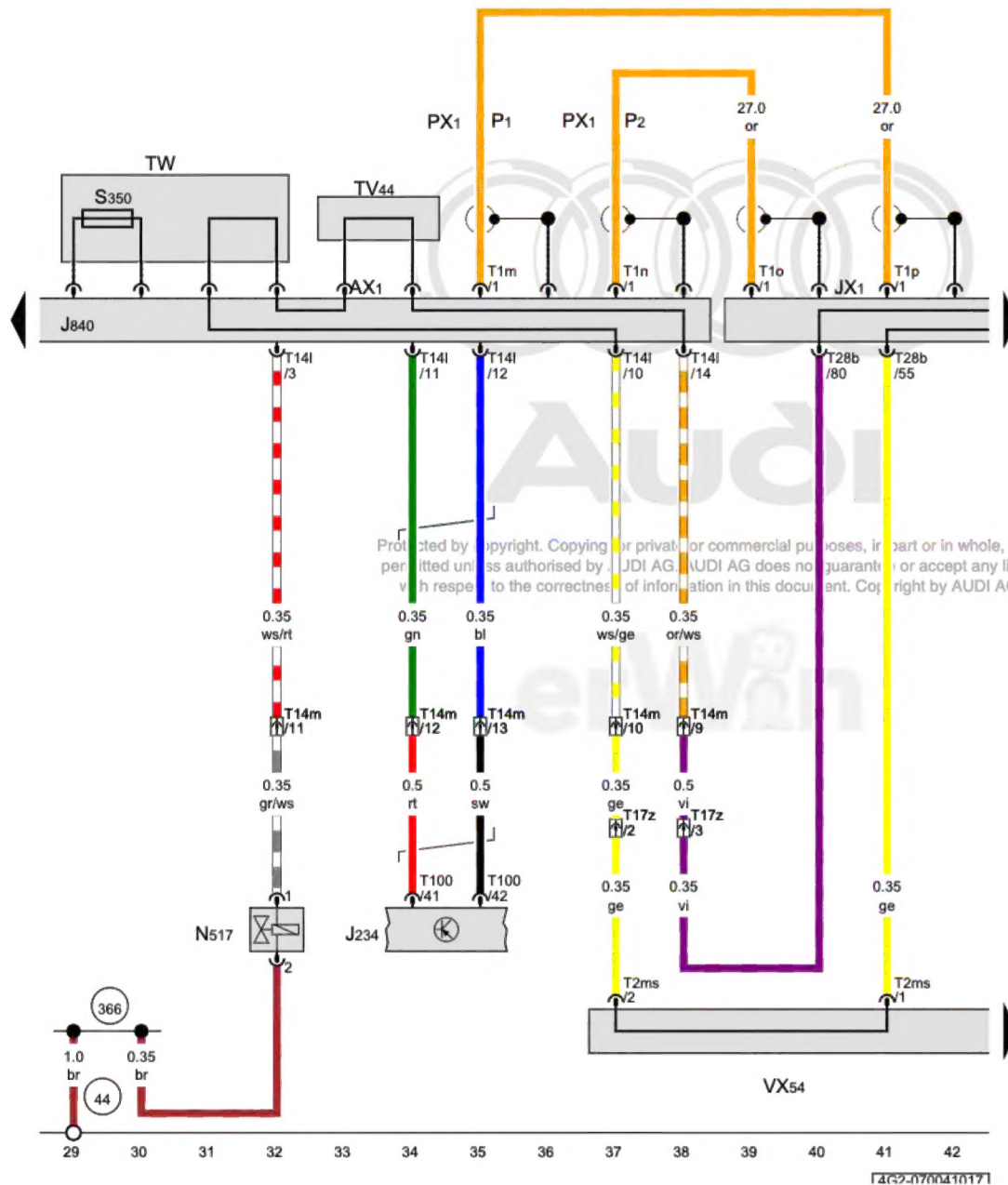
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Hybrid Battery Unit, Hybrid Battery, Temperature Sensor Before Hybrid Battery Evaporator, Temperature Sensor After Hybrid Battery Evaporator, Hybrid Battery Refrigerant Shut-Off Valve 1

- AX1 Hybrid Battery Unit
- A38 Hybrid Battery
- G756 Temperature Sensor Before Hybrid Battery Evaporator
- G757 Temperature Sensor After Hybrid Battery Evaporator
- J840 Battery Regulation Control Module
- N516 Hybrid Battery Refrigerant Shut-Off Valve 1
- T8az 8-Pin Connector
- T14l 14-Pin Connector
- T14m 14-Pin Connector, In the Luggage Compartment, Spare Wheel Well



- 383 Ground Connection 18 (in Main Wiring Harness)
- 816 Ground Connection 1 in Hybrid System Wiring Harness



# Hybrid Battery Unit, Electric Drive Power and Control Electronics, High-Voltage Wiring Harness for High-Voltage Battery, High-Voltage System Maintenance Connector, Three-Phase Current Drive

- AX1 Hybrid Battery Unit
- JX1 Electric Drive Power and Control Electronics
- J234 Airbag Control Module
- J840 Battery Regulation Control Module
- N517 Hybrid Battery Refrigerant Shut-Off Valve 2
- PX1 High-Voltage Wiring Harness for High-Voltage Battery
- P1 Hybrid Battery High-Voltage Cable, Positive Terminal
- P2 Hybrid Battery High-Voltage Cable, Negative Terminal
- S350 High-Voltage System Fuse 1
- T1m 1-Pin Connector
- T1n 1-Pin Connector
- T1o 1-Pin Connector
- T1p 1-Pin Connector
- T2ms 2-Pin Connector
- T14l 14-Pin Connector
- T14m 14-Pin Connector, In the Luggage Compartment, Spare Wheel Well
- T17z 17-Pin Connector, Brown
- T28b 28-Pin Connector
- TV44 Pilot Line Connector 1
- T100 100-Pin Connector
- TW High-Voltage System Maintenance Connector
- VX54 Three-Phase Current Drive

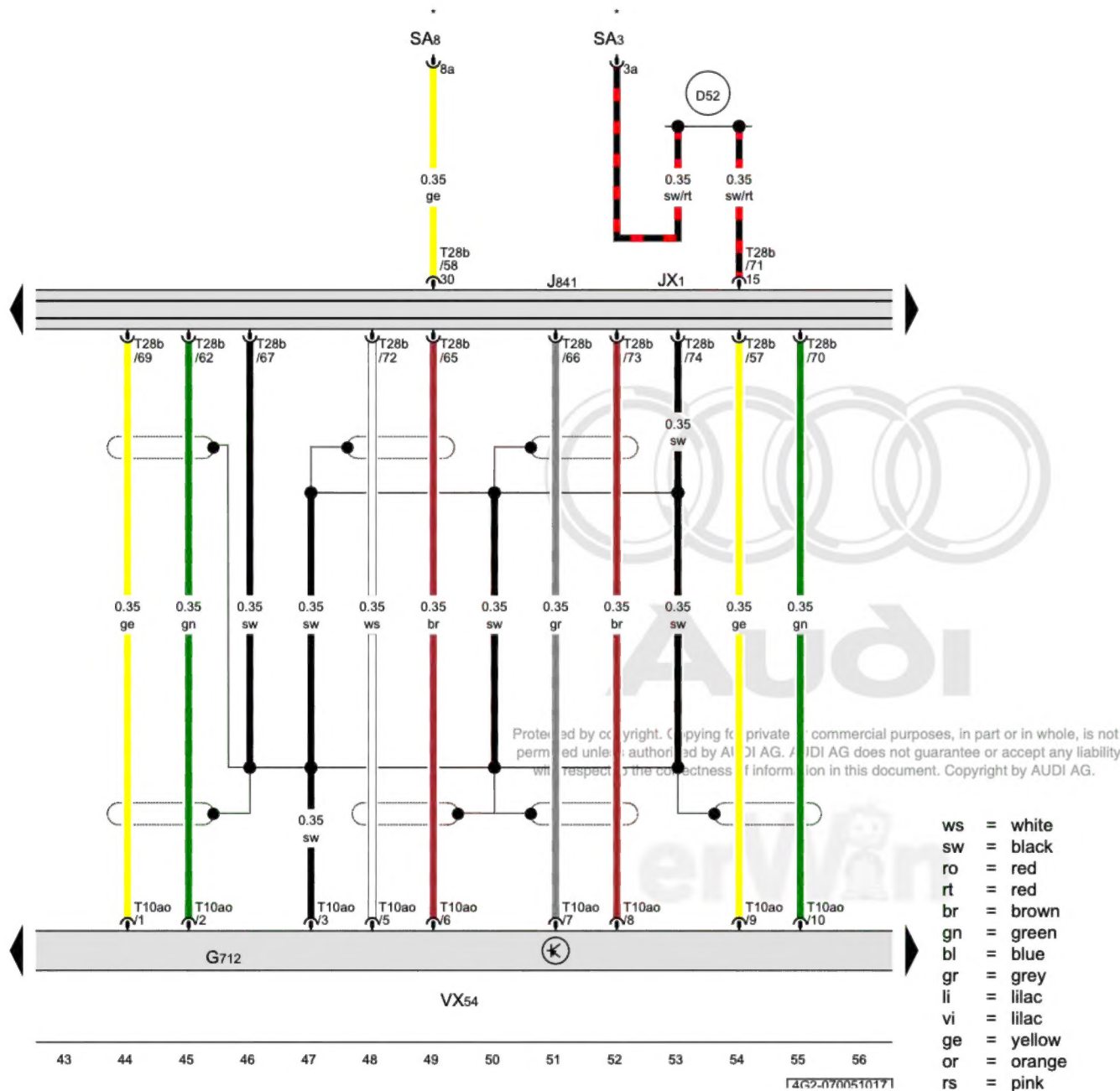
44 Ground Connection on A-Pillar, Lower Left

366 Ground Connection 1 (in Main Wiring Harness)



Drive Motor Temperature Sensor, Electric Drive Power and Control Electronics, Three-Phase Current Drive

- G712 Drive Motor Temperature Sensor
- JX1 Electric Drive Power and Control Electronics
- J841 Electric Drive Control Module
- SA3 Fuse 3 (On Fuse Panel A)
- SA8 Fuse 8 (On Fuse Panel A)
- T10ao 10-Pin Connector
- T28b 28-Pin Connector
- VX54 Three-Phase Current Drive
- D52 Positive Connection (15a) (in Engine/Motor Compartment Wiring Harness)
- \* Refer to Applicable Engine Wiring Diagram

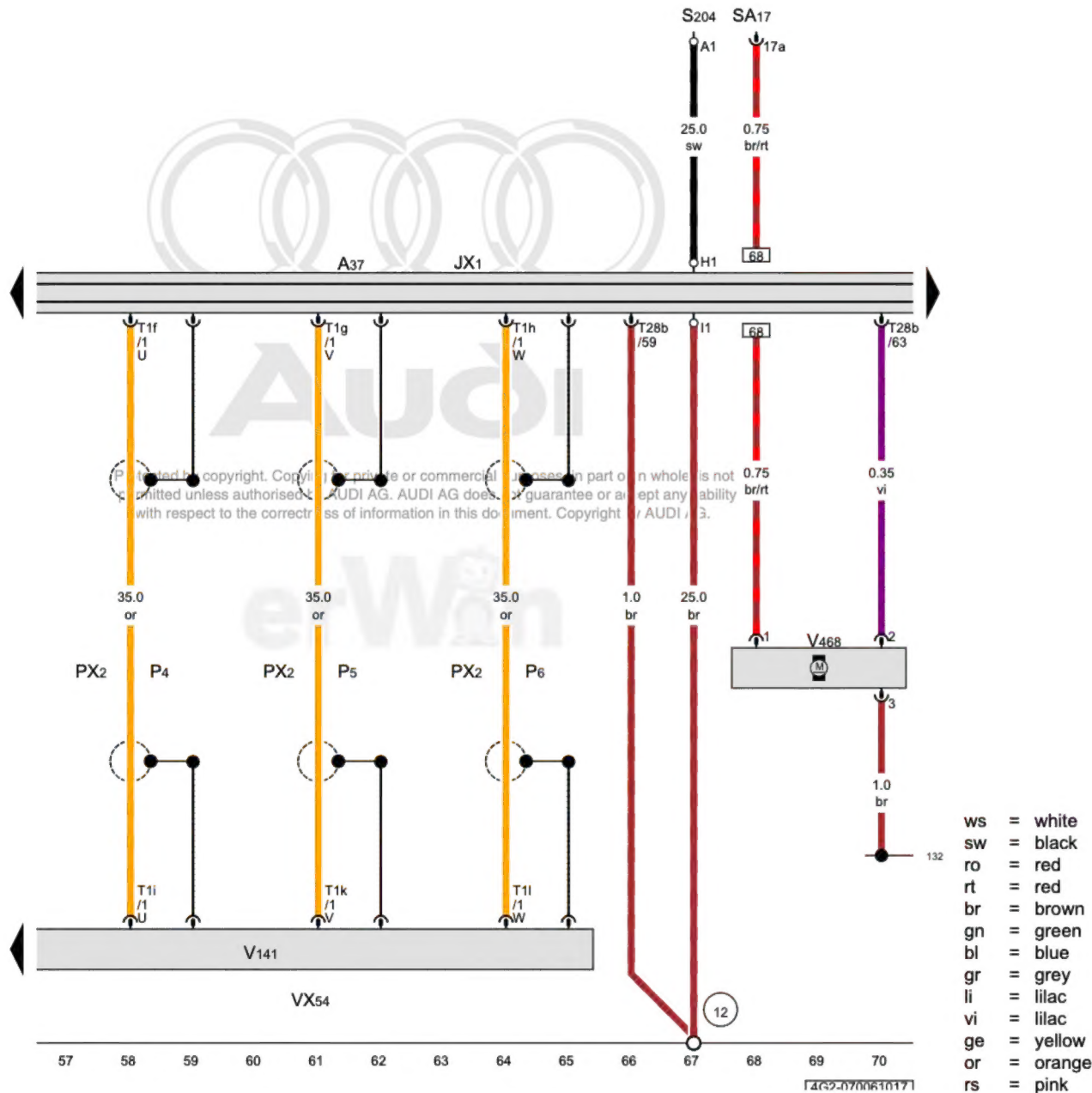


Drive Motor Inverter, Electric Drive Power and Control Electronics, Drive Motor High-Voltage Wiring Harness, Three-Phase Current Drive, Electric Drive Motor

- |      |   |
|------|---|
| A37  | Drive Motor Inverter  |
| JX1  | Electric Drive Power and Control Electronics                      |
| PX2  | Drive Motor High-Voltage Wiring Harness                           |
| P4   | Drive Motor High-Voltage Cable 1                                  |
| P5   | Drive Motor High-Voltage Cable 2                                  |
| P6   | Drive Motor High-Voltage Cable 3                                  |
| SA17 | Fuse 17 (On Fuse Panel A)   |
| S204 | Fuse 1 (Terminal 30), In the Engine/Motor Compartment, Left Front |
| T1f  | 1-Pin Connector   |
| T1g  | 1-Pin Connector   |
| T1h  | 1-Pin Connector   |
| T1i  | 1-Pin Connector   |
| T1k  | 1-Pin Connector   |
| T1l  | 1-Pin Connector   |
| T28b | 28-Pin Connector  |
| VX54 | Three-Phase Current Drive   |
| V141 | Electric Drive Motor  |
| V468 | Low Temperature Circuit Coolant Pump                              |

- 12 Ground Connection in Engine/Motor Compartment, Left
- 132 Ground Connection 3 (in Engine/Motor Compartment Wiring Harness)

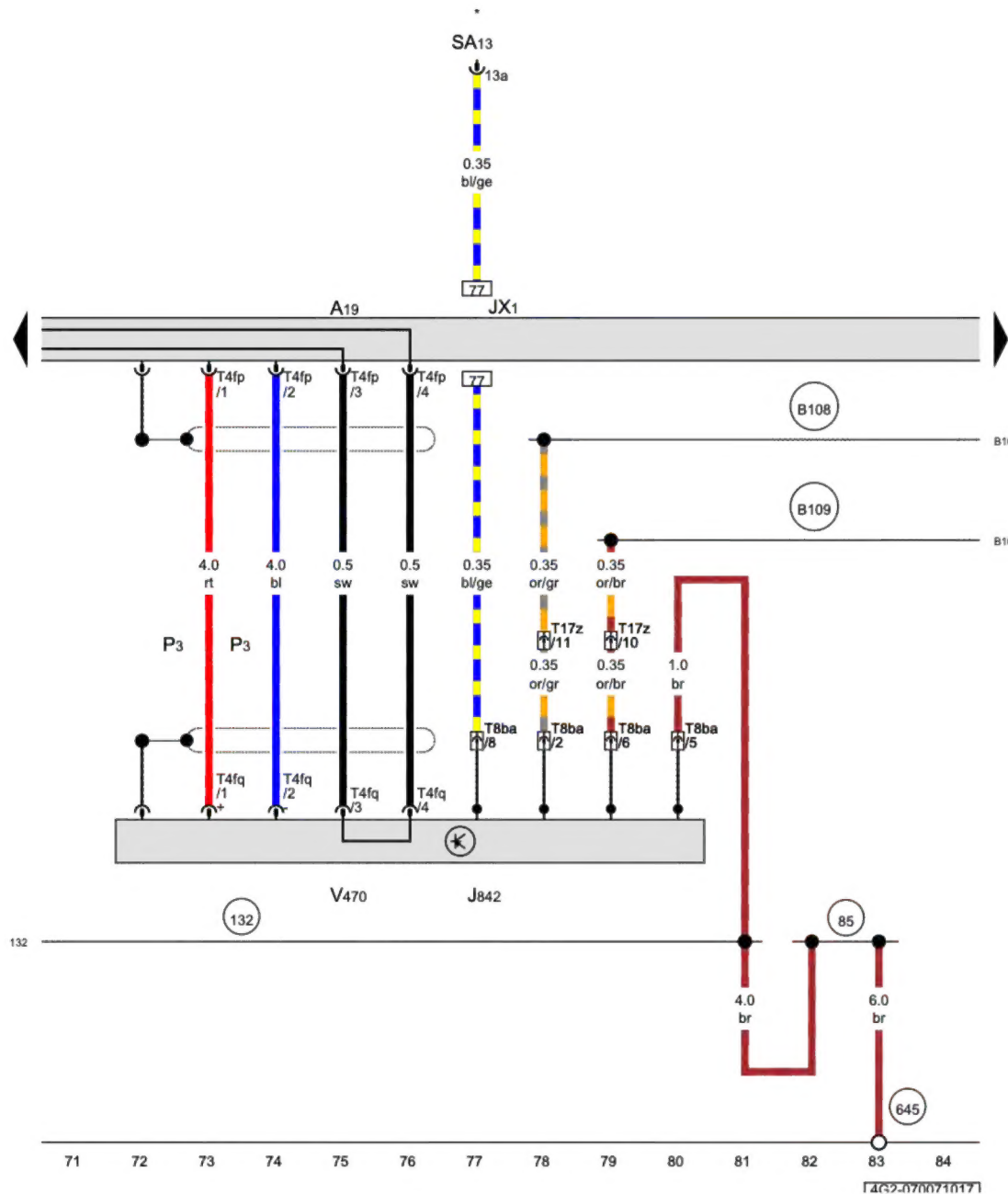
\* Refer to Applicable Engine Wiring Diagram



Voltage Converter, Electric Drive Power and Control Electronics, A/C Compressor Control Module, Electrical A/C Compressor High-Voltage Cable, Electrical A/C Compressor

- A19 Voltage Converter
- JX1 Electric Drive Power and Control Electronics
- J842 A/C Compressor Control Module
- P3 Electrical A/C Compressor High-Voltage Cable
- SA13 Fuse 13 (On Fuse Panel A)
- T4fp 4-Pin Connector
- T4fq 4-Pin Connector
- T8ba 8-Pin Connector
- T17z 17-Pin Connector, Brown
- V470 Electrical A/C Compressor

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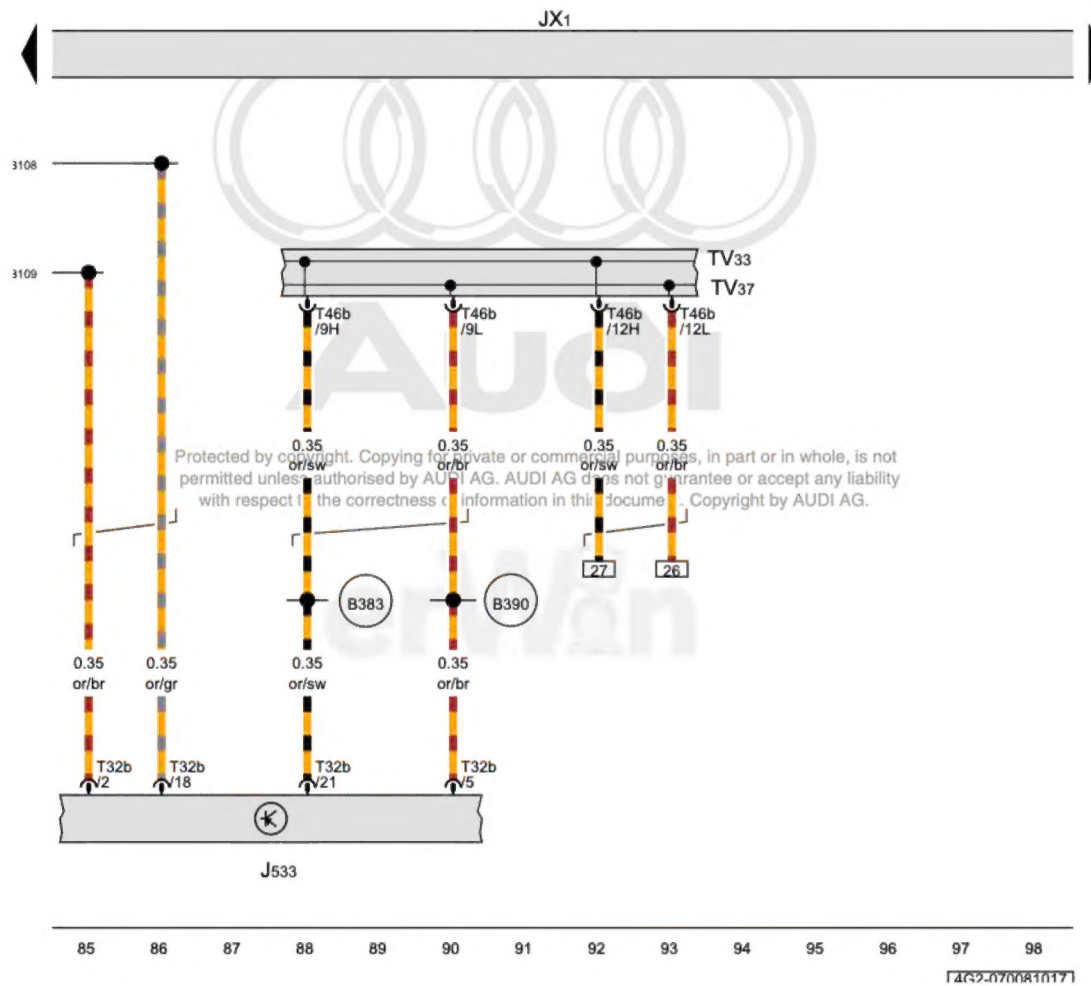


- 85 Ground Connection 1 (in Engine/Motor Compartment Wiring Harness)
- 132 Ground Connection 3 (in Engine/Motor Compartment Wiring Harness)
- 645 Ground Connection 1 on Bulkhead
- B108 CAN Bus Extended High Connection 1 (in Main Wiring Harness)
- B109 CAN Bus Extended Low Connection 1 (in Main Wiring Harness)
- \* Refer to Applicable Engine Wiring Diagram

Electric Drive Power and Control Electronics, Data Bus on Board Diagnostic Interface, Powertrain CAN Bus High Wire Junction

- JX1 Electric Drive Power and Control Electronics
- J533 Data Bus on Board Diagnostic Interface
- T32b 32-Pin Connector
- T46b 46-Pin Connector
- TV33 Powertrain CAN Bus High Wire Junction
- TV37 Powertrain CAN Bus Low Wire Junction

- B108 CAN Bus Extended High Connection 1 (in Main Wiring Harness)
- B109 CAN Bus Extended Low Connection 1 (in Main Wiring Harness)
- B383 Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
- B390 Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)



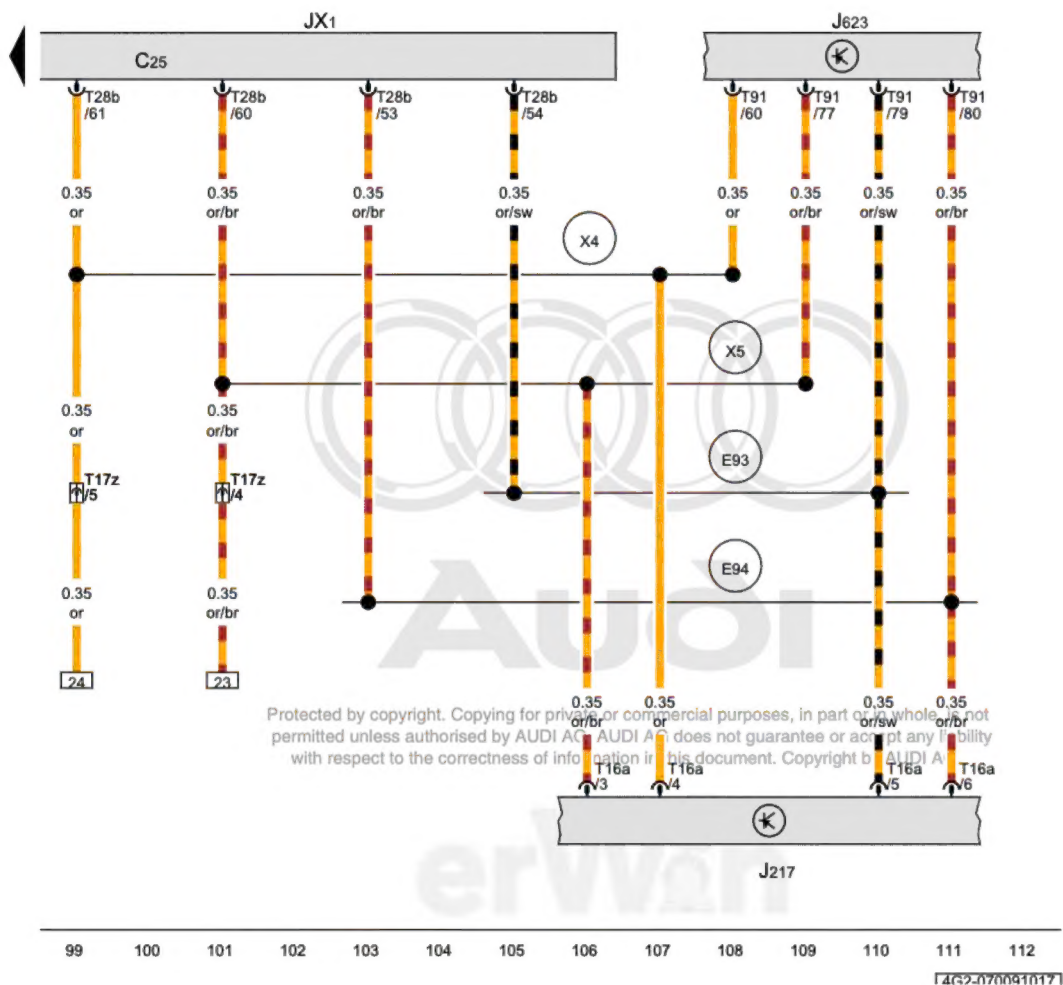
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Electric Drive Power and Control Electronics, Engine/Motor Control Module

- C25 Intermediate Circuit Capacitor 1
- JX1 Electric Drive Power and Control Electronics
- J217 Transmission Control Module
- J623 Engine/Motor Control Module
- T16a 16-Pin Connector
- T17z 17-Pin Connector, Brown
- T28b 28-Pin Connector
- T91 91-Pin Connector

- E93 CAN Bus High Connection 1 (in Engine Wiring Harness)
- E94 CAN Bus Low Connection 1 (in Engine Wiring Harness)
- X4 CAN Bus Hybrid High Connection 1 (in Engine/Motor Compartment Wiring Harness)
- X5 CAN Bus Hybrid Low Connection 1 (in Engine/Motor Compartment Wiring Harness)

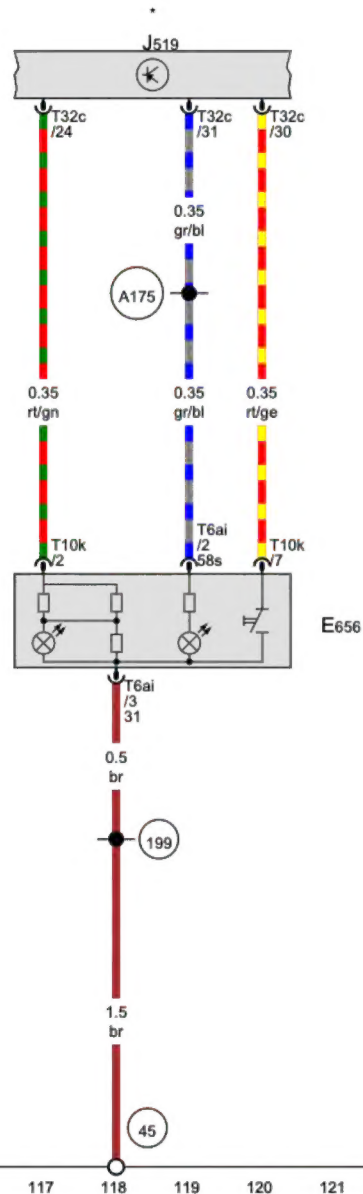


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# Electric Drive Button

- E656 Electric Drive Button
- J519 Vehicle Electrical System Control Module
- T6ai 6-Pin Connector
- T10k 10-Pin Connector
- T32c 32-Pin Connector

- 45 Ground Connection Behind Instrument Panel, Center
- 199 Ground Connection 3 (in Instrument Panel Wiring Harness)
- A175 Connection 58s (in Instrument Panel Wiring Harness)
- \* Refer to Applicable Standard Equipment Wiring Diagram



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